

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP02/08757

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> G06K19/00, G11C16/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> G06K19/00, G11C16/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2003
Kokai Jitsuyo Shinan Koho	1971-2003	Jitsuyo Shinan Toroku Koho	1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 10-198776 A (Dainippon Printing Co., Ltd.), 31 July, 1998 (31.07.98),	1-4, 10, 11, 18, 28, 29
Y	Full text; all drawings (Family: none)	5-9, 12, 13, 19-27, 30, 31
X	JP 10-334205 A (Kabushiki Kaisha Toshiba), 18 December, 1998 (18.12.98),	1-4, 10, 11, 18, 28, 29
Y	Full text; all drawings (Family: none)	5-9, 12, 13, 19-27, 30, 31
Y	JP 2000-21183 A (Matsushita Electric Industrial Co., Ltd.), 21 January, 2000 (21.01.00), Full text; all drawings (Family: none)	5-9, 23-27

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

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Date of the actual completion of the international search  
16 January, 2003 (16.01.03)Date of mailing of the international search report  
04 February, 2003 (04.02.03)Name and mailing address of the ISA/  
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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 59-21058 A (NEC Corp.), 02 February, 1984 (02.02.84), Full text; all drawings (Family: none)	6-9, 24-27
Y	JP 2000-90676 A (Matsushita Electric Industrial Co., Ltd.), 31 March, 2000 (31.03.00), Full text; all drawings (Family: none)	7, 25
Y	US 5612913 A (SGS-Thomson Microelectronics, S.r.l.), 18 March, 1997 (18.03.97), Full text; all drawings & DE 69429264 D & EP 704851 A1 & JP 08-236731 A	8, 26
Y	JP 7-326684 A (Sony Corp.), 12 December, 1995 (12.12.95), Full text; all drawings (Family: none)	12, 13, 19, 20, 30, 31
Y	JP 2-96378 A (Hitachi, Ltd.), 09 April, 1990 (09.04.90), Full text; all drawings (Family: none)	12, 13, 19, 20, 30, 31
A	US 6097059 A (Sanyo Electric Co., Ltd.), 01 August, 2000 (01.08.00), Full text; all drawings & TW 389907 B & EP 851508 A1 & JP 11-31801 A & JP 11-31393 A & SG 72776 A	12-17, 19, 20, 30, 31
A	JP 4-364077 A (Toshiba Corp.), 16 December, 1992 (16.12.92), Full text; all drawings (Family: none)	12-17, 19, 20, 30, 31
A	JP 10-107231 A (NEC Corp.), 24 April, 1998 (24.04.98), Full text; all drawings (Family: none)	12-17, 19, 20, 30, 31
A	US 5553016 A (Kabushiki Kaisha Toshiba), 03 September, 1996 (03.09.96), Full text; all drawings & JP 05-275657 A	12-17, 19, 20, 30, 31
A	JP 3-126265 A (Toshiba Corp.), 29 May, 1991 (29.05.91), Full text; all drawings & DE 69027271 C	12-17, 19, 20, 30, 31